



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA No. 22-1205

Friday November 18, 2022

Report No. SAT-01682

Satellite Policy Branch Information

Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

| | | |
|-------------------------------|---------|----------------------------|
| SAT-AMD-20220729-00075 | E S3144 | Momentus Space LLC |
| Amendment | | |
| Grant of Authority | | Effective Date: 11/15/2022 |

Nature of Service: Other

See IBFS File No. SAT-LOA-20220504-00047 for a description of the action taken.

| | | |
|-------------------------------|---------|-----------------------------|
| SAT-AMD-20220809-00079 | E S3147 | Loft Orbital Solutions Inc. |
| Amendment | | |
| Grant of Authority | | Effective Date: 11/15/2022 |

Nature of Service: Earth Exploration Satellite Service, Other

See IBFS File No. SAT-LOA-20220606-00057 for a description of the action taken.

| | | |
|--------------------------------|---------|----------------------------|
| SAT-LOA-20220504-00047 | E S3144 | Momentus Space LLC |
| Launch and Operating Authority | | |
| Grant of Authority | | Effective Date: 11/15/2022 |

Nature of Service: Other

On November 15, 2022, the Satellite Division granted, with conditions, authority to Momentus Space LLC to operate a non-geostationary satellite orbit spacecraft known as Vigoride-5 (VR-5) for a period of up to 250 days in the space operations service. VR-5 will operate in an initial sun-synchronous orbit at altitudes between 500 and 550 km, and then in a sun-synchronous orbits an altitudes of 538 km and 541 km, followed by operations in an elliptical orbit with a perigee of 350 km and apogee of 541 km. VR-5 is authorized to operate using downlinks with center frequencies at 8200 MHz, 400.5 MHz, and 9984 MHz for telemetry and tracking, and using an uplink centered at 2075 MHz for command.

SAT-LOA-20220606-00057 E S3147 Loft Orbital Solutions Inc.
Launch and Operating Authority
Grant of Authority

Effective Date: 11/15/2022

Nature of Service: Earth Exploration Satellite Service, Other

On November 15, 2022, the Satellite Division granted, with conditions, authority to Loft Orbital Solutions, Inc. to construct, deploy, and operate a non-geostationary satellite orbit space station known as YAM-5, to be deployed to a sun-synchronous orbit with an altitude of approximately 525 km and inclination of 97.6 degrees. Loft Orbital is authorized to operate YAM-5 in the earth-exploration satellite service using the 2025-2110 MHz (Earth-to-space) and 8025-8400 MHz (space-to-Earth) frequency bands, and for YAM-5 to receive transmissions from the Inmarsat system in the 1535-1559 MHz (space-to-space) frequency band. Loft Orbital is also authorized to operate YAM-5 with a single earth station in the 2400-2483.5 MHz band (space-to-Earth) and (Earth-to-space) and to deploy a capability for experimental space operations links in the 2240-2290 MHz (space-to-Earth) and 2067-2110 MHz frequency bands, and to operate those links subject to limitations on timing and frequency of operations. Loft Orbital will conduct telemetry, tracking, and command operations with the YAM-5 space station using the 8025-8400 (space-to-Earth), 400.15-401 MHz (space-to-Earth), 401-402 (space-to-Earth), 2025-2110 MHz (Earth-to-space) and 449.75-450.25 MHz (Earth-to-space) frequency bands.

SAT-MOD-20220822-00092 E S3015 Intelsat License LLC
Modification
Grant of Authority

Effective Date: 11/14/2022

Nature of Service: Fixed Satellite Service

On November 14, 2022, the Satellite Division granted, with conditions, Intelsat License LLC's request for modification of the license for the Galaxy 33 space station operations at the 133.0° W.L. orbital location. The Satellite Division modified the license to: (1) authorize operations in the FSS using the 19.63-19.7 GHz (space-to-Earth) band; (2) reflect the surrender of authorization to use the 10.95-11.2 GHz band (space-to-Earth) for FSS; (3) authorize telemetry, tracking and command operations to occur within the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) bands using tunable center frequencies in 100 kHz steps; and (4) reflect certain other technical design changes, including to Galaxy 33's beam coverage and orbital debris mitigation plan.

SAT-MPL-20220921-00117 E S3031 Eutelsat S.A.
Modification to PDR/PPL
Withdrawn

Effective Date: 11/15/2022

Nature of Service: Fixed Satellite Service

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.